	2010-2011 CHEMISTRY Annual Exam:
	Section-A
2.1	Multiple Choice Questions (MCQ's) Choose the correct for each from the given option:
ī)	generally known as father of alchemy.
ii)	(a) Jabir Ibne- Haiyan (b) Al-Razi (c) Al-Beruni (d) Ibne-Sina Cholorine was dicovered by: (a) Ibne-Sina (b) J. Black (c) Sheele (d) Al-Razi
iii)	44 a.m.u of CO <sub>2</sub> is equal to:
	(a) Molar mass (b) Atomic mass (c) Molecular Mass (d) Mass number
iv)	The mass of one mole of substance expressed in garms, is called:
	(a) Empirical formula (b) Molceular formula
v)	(c) Molecular mass (d) Molar mass Which particle is the lightest in the following:
	(a) Electron (b) Proton (c) Neutron (d) α – particle.
vi)	The mass of proton is:
	(a) $167 \times 10^{-22}$ g (b) $167 \times 10^{-23}$ g (c) $167 \times 10^{-24}$ g
	(d) 167 x 10 <sup>-25</sup> g
vii)	Mendeleev's periodic table contains periods. (a) 7 (b) 8 (c) 12 (d) 10
viii)	The most reactive metal is
	(a) Na (b) Cu (c) Fe (d) Ca
ix)	The bond which is formed by the mutual sharing of electrons between the atom is called:
	(a) Ionic bond (b) Covalent bond
	(c) co-ordinate covalent bond (d) Chemical bond
x)	Double covalent bond is denoted by:
	(a) Single short line (b) Two short lines (c) Three short lines (d) None of these
xi)	The process in which molecules escape from the surface of liquid is called:
	(a) Sublimation (b) Evaporation (c) Boiling (d) Melting
xii)	The process in which solid directly changes to gas is called:  (a) Evaporation (b) Melting
	(c) Sublimation (d) None of these
xiii)	The sum of the mole fractions of solute and solvent is equal to:
CEC DV	(a) 5 (b) 2 (c) 0 (d) None of these
xiv)	The process in which a solid directly changes to vapour is known as:  (a) Sublimation  (b) Evaporation
	(c) Diffusion (d) Fusion
xv)	Alums are:
	(a) Single Salts (b) Double Salts (c) Triple Salts (d) Normal Salts
xvi)	The substances having a tendency to lose one or more protons are called:
	(a) Acids (b) Bases (c) Neutral (d) Salts
xvii)	The formula of washing soda is: (a) Na, CO, (b) Na, CO, 6H, O
	(a) Na, CO, (b) Na, CO, 6H, O (c) Na, CO, 10H, O (d) NaHCO,
	Section-B (Short Answers)
vote:	1 and the second descending descending descending and the
marks 0.2	Describe the importance of Chemistry.
2.3	What is empirical formula? Give an example.
2.4	What does Avogadro's number represent?
D.5 D 6	Explain the main features of Bohr's Theory.
20	Define any ONE of the following: (a) Electroytes (b) Coulomb
2.7	Write down the advantages of Mendeleev's periodic table.
8.0	Calculate molarity of solution containing 16gm glucose per 300 ml solution.
).9 ).10	Give the characateristics of ionic compounds.  List the main general properties of Acids.
2.11	Discuss the factors affecting the solubility.
2.12	HE NEW MONTH IN THE CONTROL OF THE
	(i) $C_2H_2 + H_2 \longrightarrow C_4H_8$
	(ii) $NH_3 + O_2 \longrightarrow NO + H_2O$
	(iii) CaCO <sub>3</sub> + HCI → C 2 + H <sub>2</sub> O + CO <sub>2</sub>
	(iv) $NaHCO_2 \longrightarrow Na_2CO_3 + H_2O + CO_2$
	(v) $Ca + H_2O \longrightarrow Ca(OH)_2 + H_2$
lote:	Section-C (Descriptive)
ies 1	4 marks.
2.13 b)	(a) State the Law of Multiple proportion and explain with an example.
4.00000	What is Scientific Law?  (a) State and explain Faraday's First law of Electroysis.
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Q.14 b)	What are types of Chemical bondings?